

*BECP elements **work together**
synergistically to achieve
energy savings.*

BECP is a Win for the Energy Codes Community

Building Professionals

Code officials, architects, designers, engineers, and builders keep up with the latest developments in energy codes through BECP's education and training materials.

Building Officials

State and local jurisdictions can more easily adopt, implement, and enforce energy codes with BECP's easy-to-use compliance tools and information resources.

Building Owners

Homeowners and business owners benefit from the energy savings in buildings that meet or exceed energy-efficient codes.

A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.



Building Energy Codes

U.S. Department of Energy

The U.S. Department of Energy's Building Energy Codes Program is an information resource on national model energy codes. We work with other government agencies, state and local jurisdictions, national code organizations, and industry to promote stronger building energy codes and help states adopt, implement, and enforce those codes.

www.energycodes.gov

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U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy

Printed with renewable-source ink on paper containing at least 50% wastepaper, including 20% post-consumer waste.

PNNL-SA-65529

About the Building Energy Codes Program





Building Energy Codes Program

Residential and commercial buildings consume about 40% of all energy in the United States, making them significant contributors to the nation's energy problem.

Building energy codes are part of the energy solution.

The U.S. Department of Energy's (DOE's) Building Energy Codes Program (BECP) staff help improve residential and commercial building energy codes through Code Education and Training, Code Development, and Code Compliance Software. Their efforts increase the efficiency of our nation's buildings, resulting in:

- ✓ **Less energy** used
- ✓ **Less cost** for consumers
- ✓ **Less carbon** added to the environment.

Code Education and Training

Educational Resources

www.energycodes.gov is the gateway to all of BECP's no-cost educational and training resources for the energy codes community, including:

- ✓ **Webcasts**, self-paced training, and videos
- ✓ **Annual Energy Codes** in-person training event information and registration
- ✓ **Setting the Standard** newsletter, a key tool for information exchange among building professionals, state and local code officials, architects, designers, and engineers
- ✓ **Articles and Code Notes** to clarify code issues
- ✓ **Code analysis** and development to compare the efficiency of different energy codes and identify potential code changes
- ✓ **Technical support** – BECP staff respond to every inquiry.

Education and Training Data (FY08)

Newsletter Subscribers	90,000+
Webcast Participants	10,000+
Technical Support Inquiries	3,500+
AIA Credit Recipients	1,000+

State Technical Assistance

Upon request and with DOE approval, BECP staff provide specialized technical assistance to states, including economic analyses, code comparisons, webcast training, and state-specific compliance materials. BECP also offers financial assistance to support states' code improvement efforts.

Status of State Codes

BECP offers up-to-date information about the status of state energy codes, including identification of codes adopted by each state as well as code-related administrative and technical information.

Code Development

BECP's code development team helps develop more stringent and easy-to-follow building energy codes in close collaboration with key partners and stakeholders. These collaborators include the primary national model code-making bodies—the International Code Council® and American Society for Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). Together, BECP staff and members of these groups identify technologies and practices that could successfully support energy efficiency goals and work to remove energy-code related barriers to those goals.

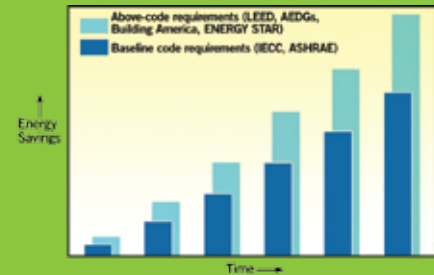
30/30 Vision – Commercial

DOE has teamed with ASHRAE to achieve 30% savings in new commercial buildings by modifying ANSI/ASHRAE/IESNA¹ Standard 90.1-2010 to be 30% more energy efficient than its 2004 predecessor. Implementing the new Standard would result in carbon dioxide savings by 2030 equivalent to that emitted by driving 20 million of today's cars for one year. Publication of Standard 90.1-2007, which initial estimates indicate to be 3-5% more stringent than its predecessor, marked the first major step toward this goal.

¹ The American National Standards Institute/ASHRAE/Illuminating Engineering Society of North America

30/30 Vision – Residential

DOE is committed to reducing the energy consumption of household features regulated by the 2012 International Energy Conservation Code® (IECC) by 30% compared to the 2006 IECC. Due in part to BECP's contributions, the 2009 IECC is at least 15% more stringent than the 2006 IECC, putting BECP's residential team at least halfway toward its 30% goal. A significant change reflected in the 2009 IECC is to require pressure testing to verify duct sealing. This change is estimated to single-handedly reduce energy use of IECC-compliant features in new homes by an average of 8 to 12%.



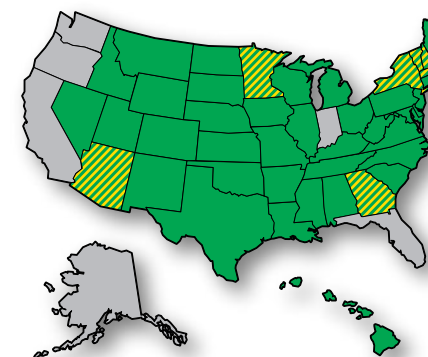
BECP helps develop more stringent baseline codes, driving above-code requirements to constantly improve.

Code Compliance Software

BECP's software team develops and distributes no-cost compliance software, REScheck™ and COMcheck™. Available for download or as Web-based applications (REScheck-Web™ and COMcheck-Web™), BECP's software makes complying with energy codes easy for the energy codes community.

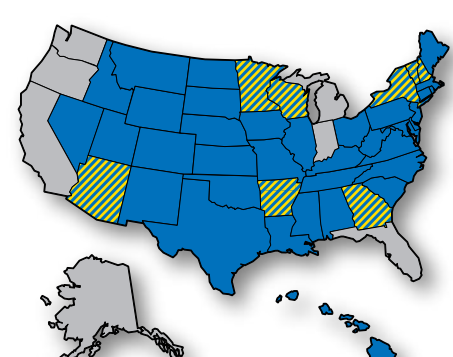
REScheck and COMcheck are designed to support the IECC and ANSI/ASHRAE/IESNA Standard 90.1, which are the basis for most state codes. To accompany the software, BECP also provides free user guides, videos, training materials, and compliance manuals.

States that can use COMcheck for code compliance



- States supported by COMcheck software at the end of FY08
- State/jurisdiction-specific codes supported by COMcheck
- States not supported by COMcheck software at the end of FY08

States that can use REScheck for code compliance



- States supported by REScheck software at the end of FY08
- State/jurisdiction-specific codes supported by REScheck
- States not supported by REScheck software at the end of FY08

User friendly software makes code compliance easy.